

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051597

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B41F31/02 B41F9/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B41F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 945 832 A (ODOM JIMMIE L) 7 August 1990 (1990-08-07) column 7, lines 24-29; figures 1,2,4 column 10, lines 5-16	1-15, 17-22
X	EP 0 941 845 A (FISCHER & KRECKE GMBH & CO) 15 September 1999 (1999-09-15) column 2 paragraphs '0018!', '0019!'; figure 1	1-15, 17-22
X	US 4 590 855 A (LAVALLIERE WAYNE ET AL) 27 May 1986 (1986-05-27) column 5, lines 32,33 column 6, lines 50-62 column 8, lines 9-13	1-5, 11, 12, 17, 19-22
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

26 October 2004

Date of mailing of the international search report

10/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Duquénoy, A

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051597

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 688 670 A (FIT GROUP INC) 27 December 1995 (1995-12-27) abstract; figure 1 column 6, lines 38-42 column 7, lines 1-8 -----	1,2,6, 12-17, 19-22
X	DE 42 41 792 A (GORTER CORNELIS) 16 June 1994 (1994-06-16) column 4, lines 53-67; figures 1,2 -----	1-4,6-8, 11,12, 17,19-22
X	US 2 377 110 A (SMITH HERMAN A) 29 May 1945 (1945-05-29) figures 3,5 -----	1-4,11, 12,17, 19-22
X	GB 604 568 A (GOSS PRINTING PRESS CO LTD) 6 July 1948 (1948-07-06) figures 1,2 -----	1-4, 19-22

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051597

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4945832	A	07-08-1990	NONE	
EP 0941845	A	15-09-1999	EP 0941845 A1	15-09-1999
US 4590855	A	27-05-1986	CA 1215826 A1	30-12-1986
EP 0688670	A	27-12-1995	US 5410961 A	02-05-1995
			EP 0688670 A1	27-12-1995
			DE 69302465 D1	05-06-1996
			DE 69302465 T2	12-09-1996
			DE 69308896 D1	17-04-1997
			DE 69308896 T2	19-06-1997
			EP 0607574 A1	27-07-1994
DE 4241792	A	16-06-1994	DE 4138807 C1	03-06-1993
			DE 4241792 A1	16-06-1994
			AT 141082 T	15-08-1996
			AU 2944492 A	28-06-1993
			DE 9215854 U1	25-03-1993
			DE 59206870 D1	12-09-1996
			DK 568674 T3	23-12-1996
			WO 9310976 A1	10-06-1993
			EP 0568674 A1	10-11-1993
			US 5497702 A	12-03-1996
US 2377110	A	29-05-1945	NONE	
GB 604568	A	06-07-1948	NONE	